

FIG. 1(a)

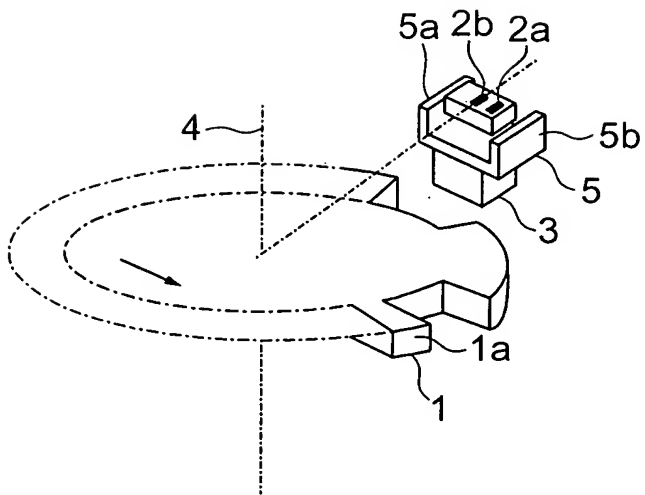


FIG. 1(b)

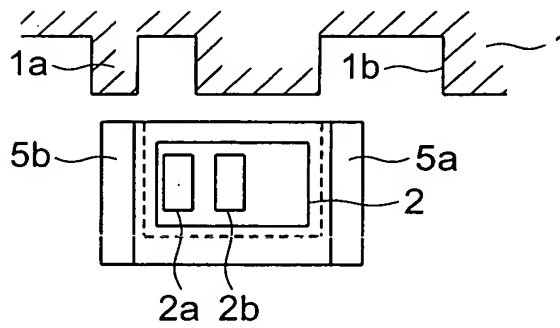


FIG. 1(c)

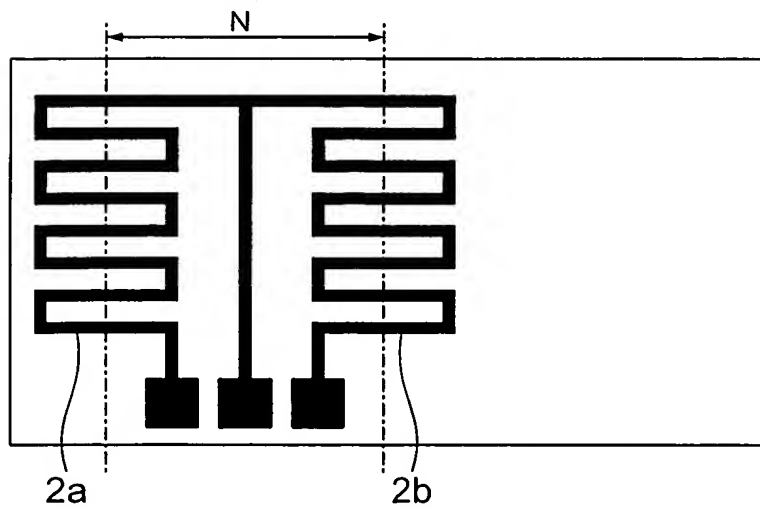


FIG. 2

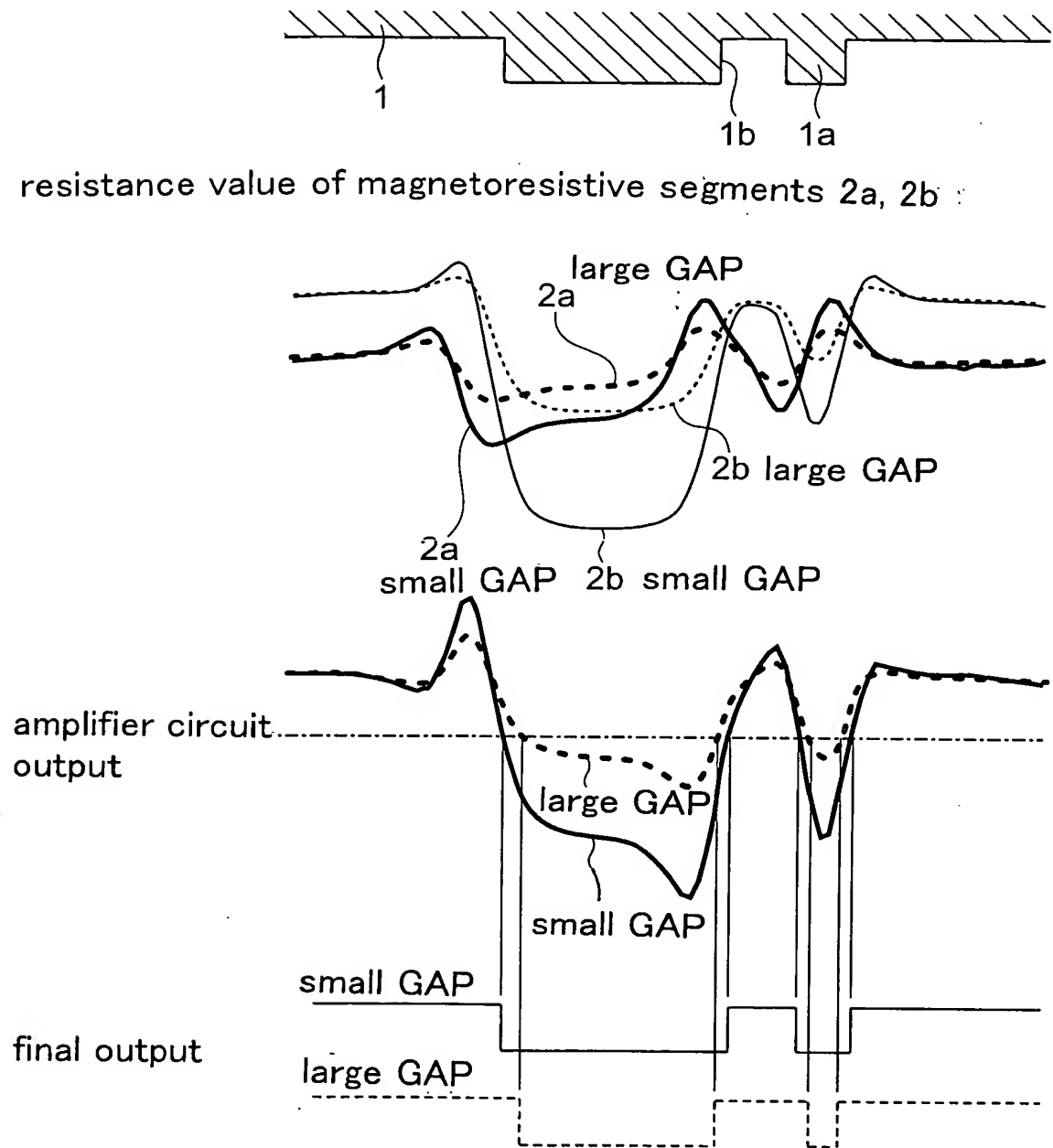


FIG. 3(a)

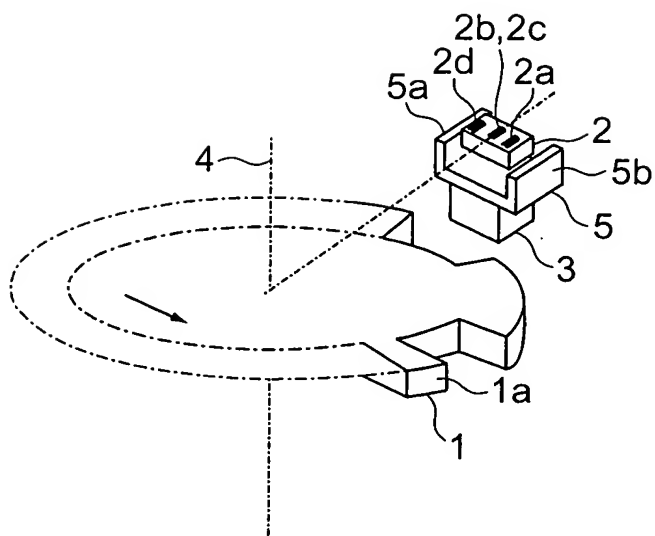


FIG. 3(b)

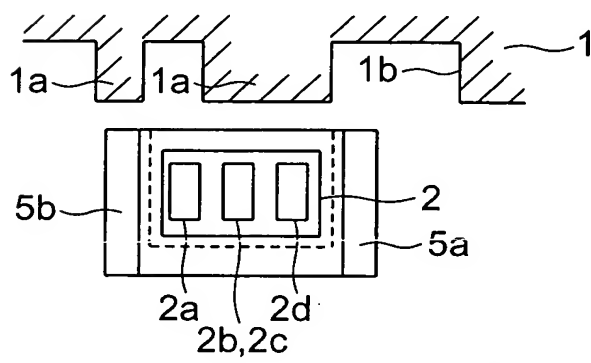


FIG. 3(c)

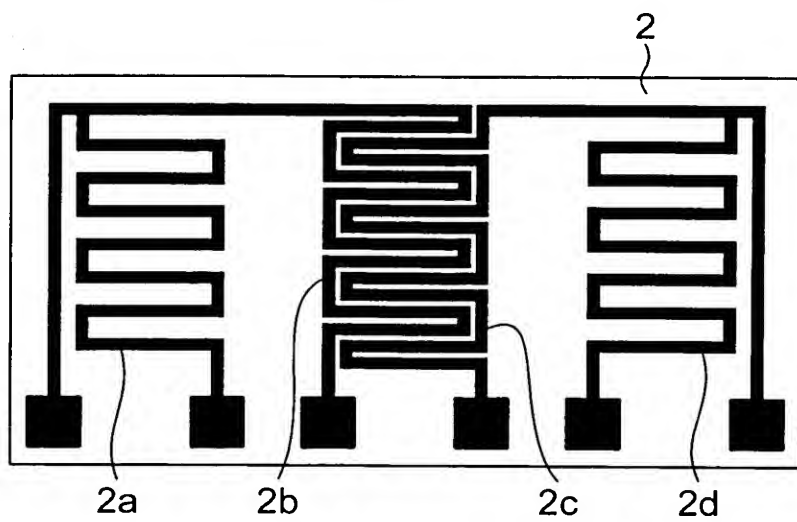


FIG. 4

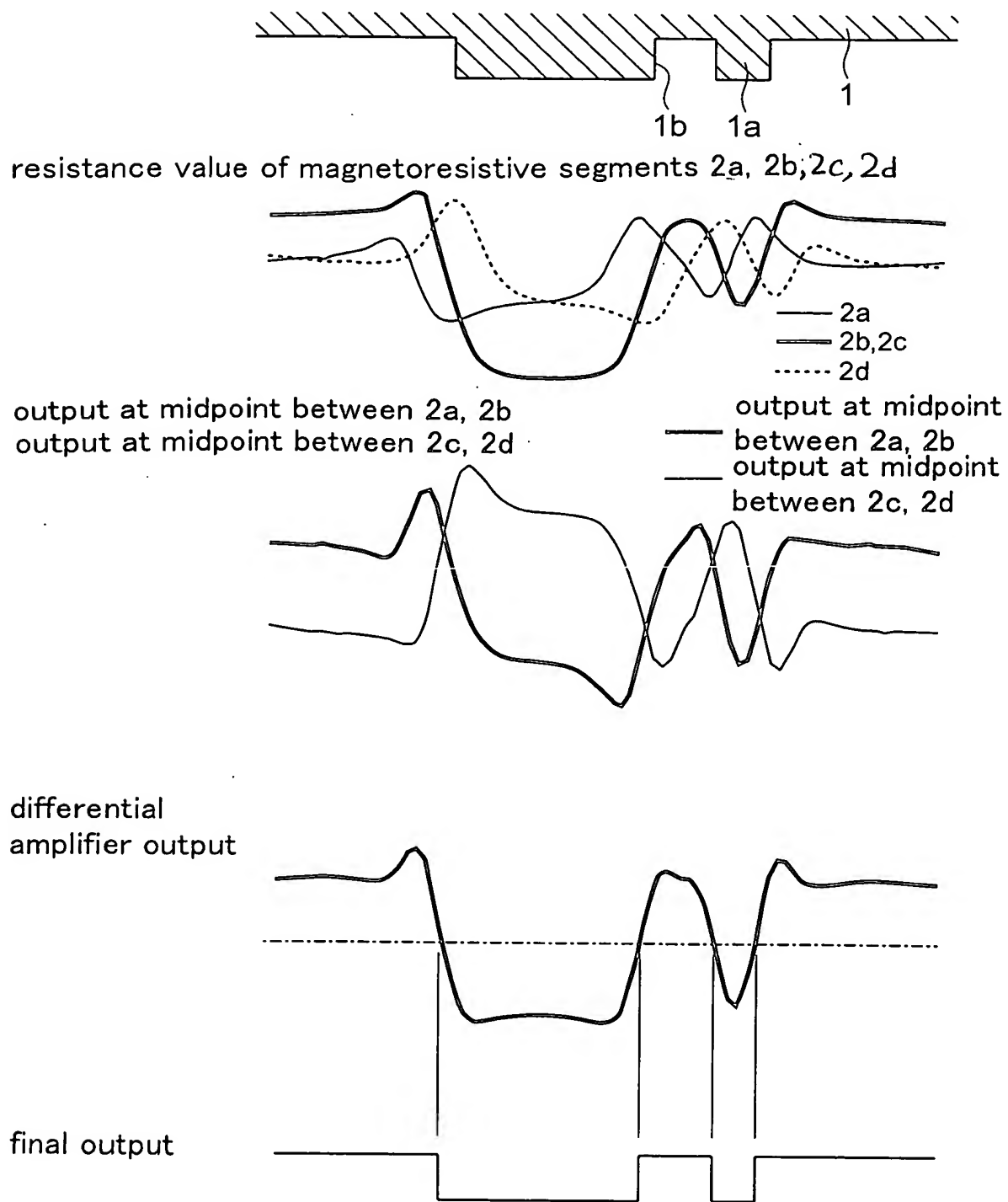


Fig. 5

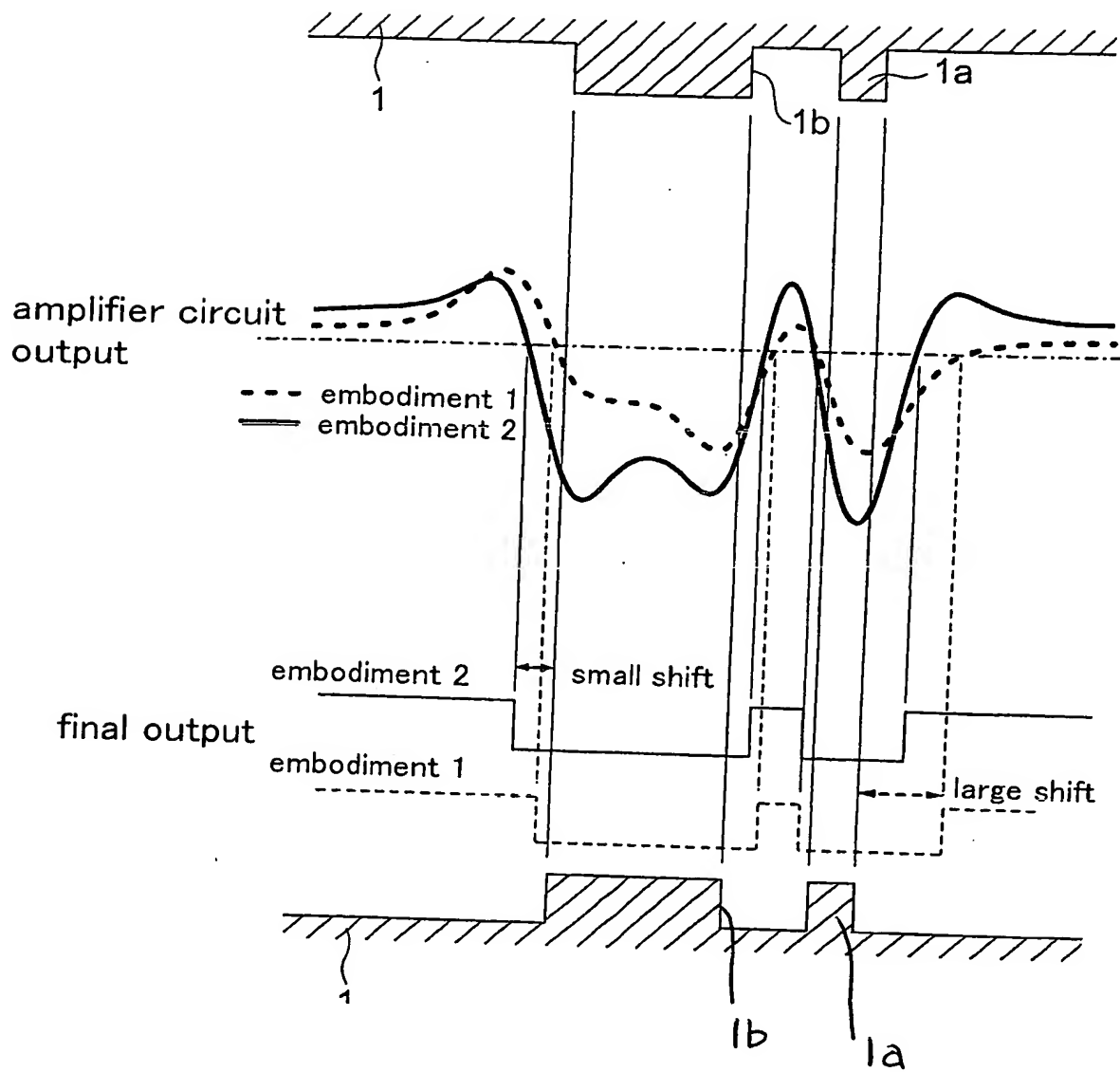


FIG. 6(a)

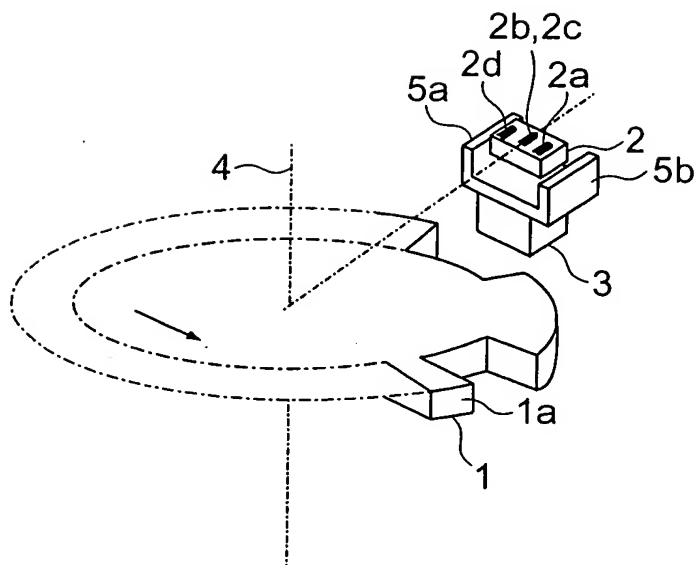


FIG. 6(b)

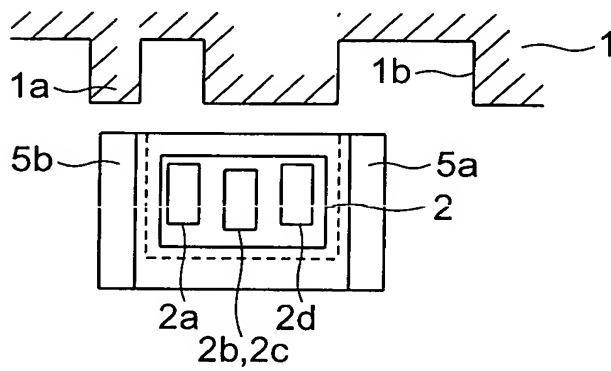


FIG. 6(c)

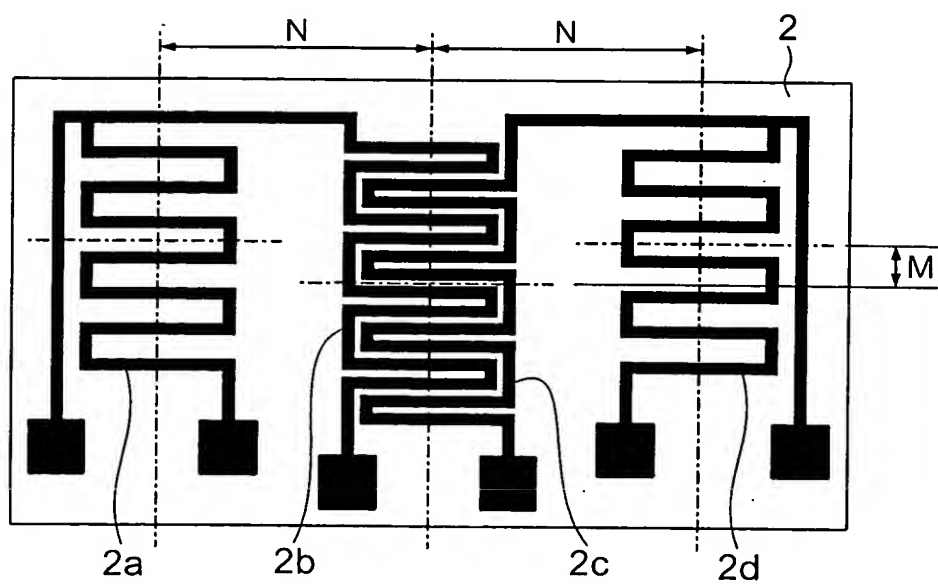


Fig. 7

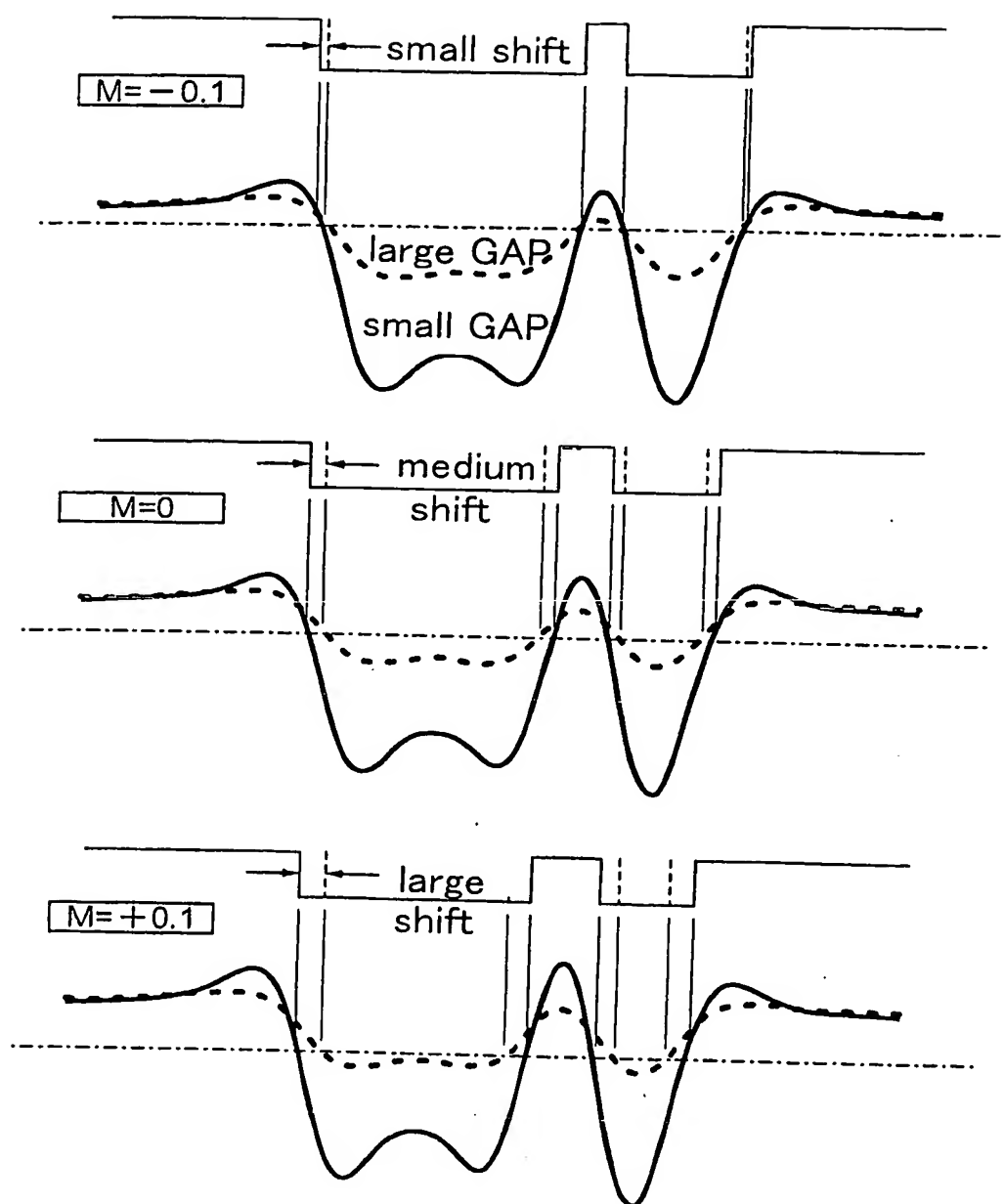


Fig. 8

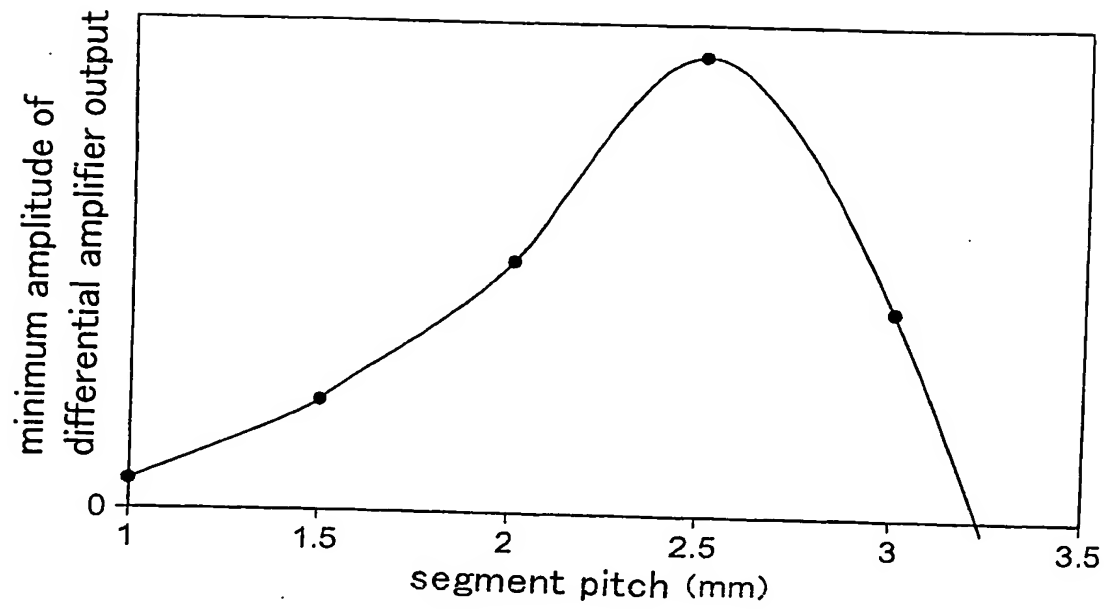


Fig. 9

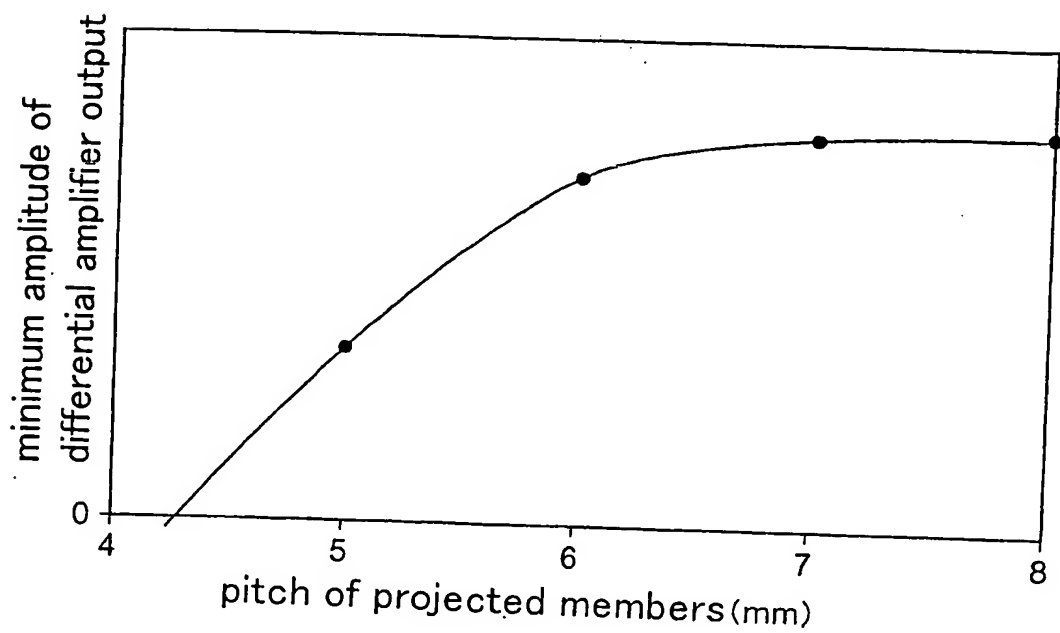


Fig. 10

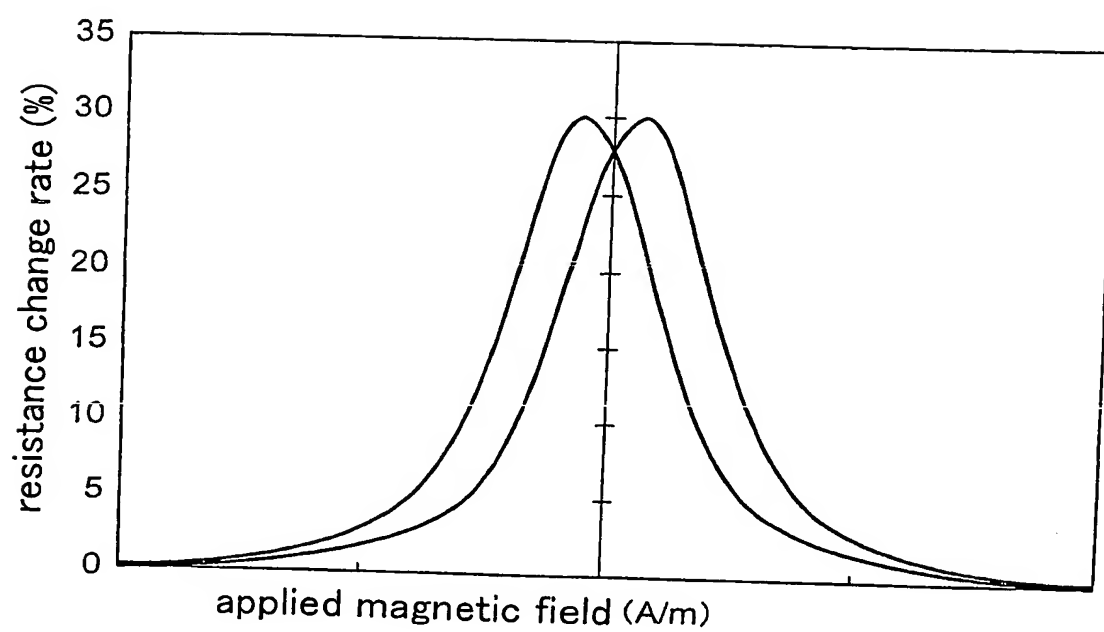


FIG. 11

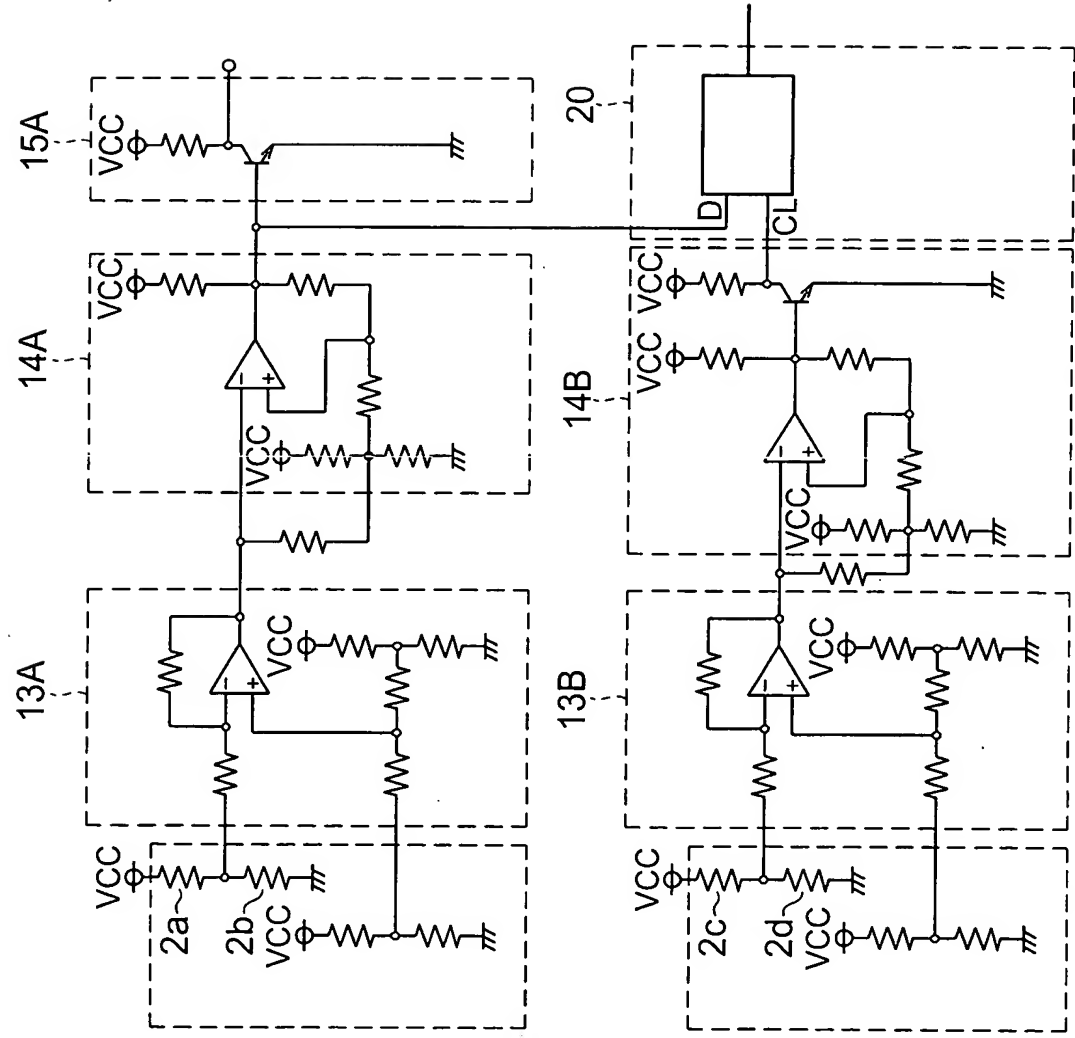


FIG. 12

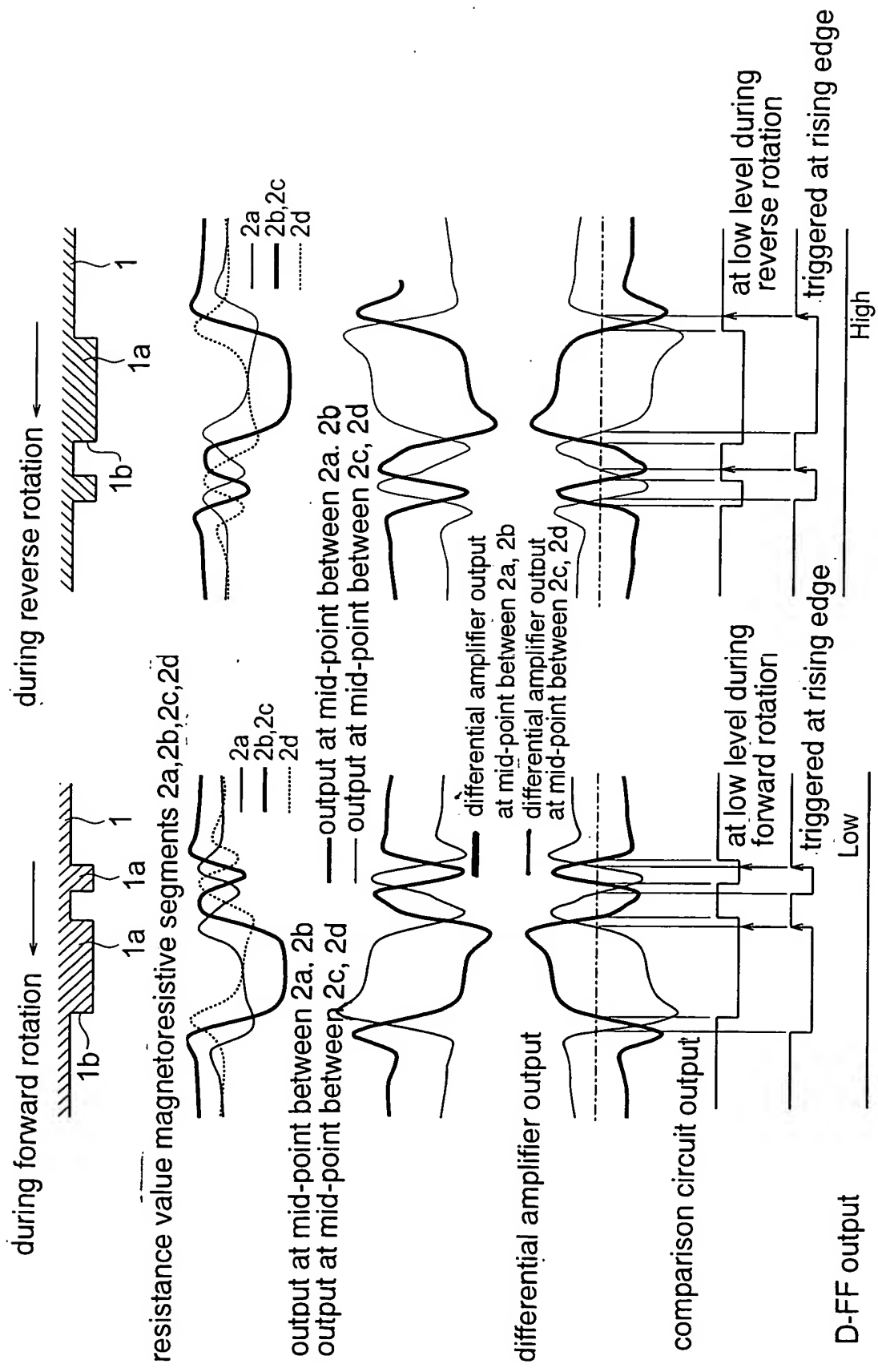


FIG. 13(a)

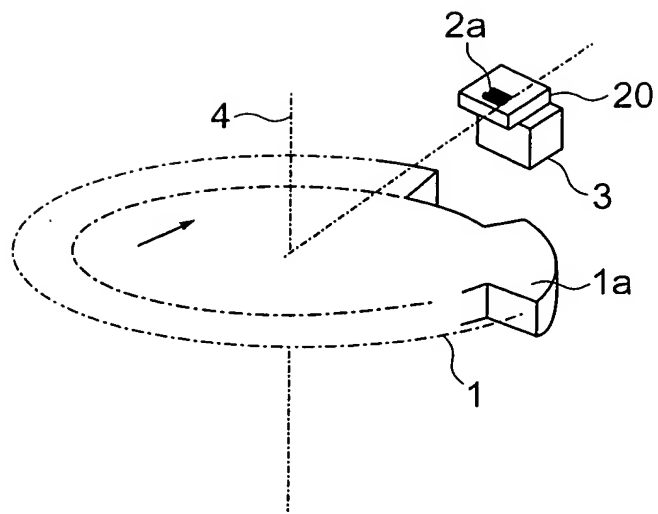


FIG. 13(b)

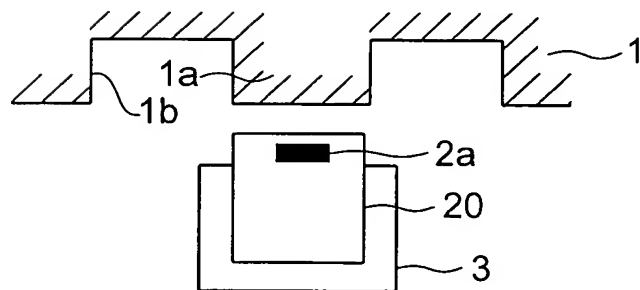


FIG. 14

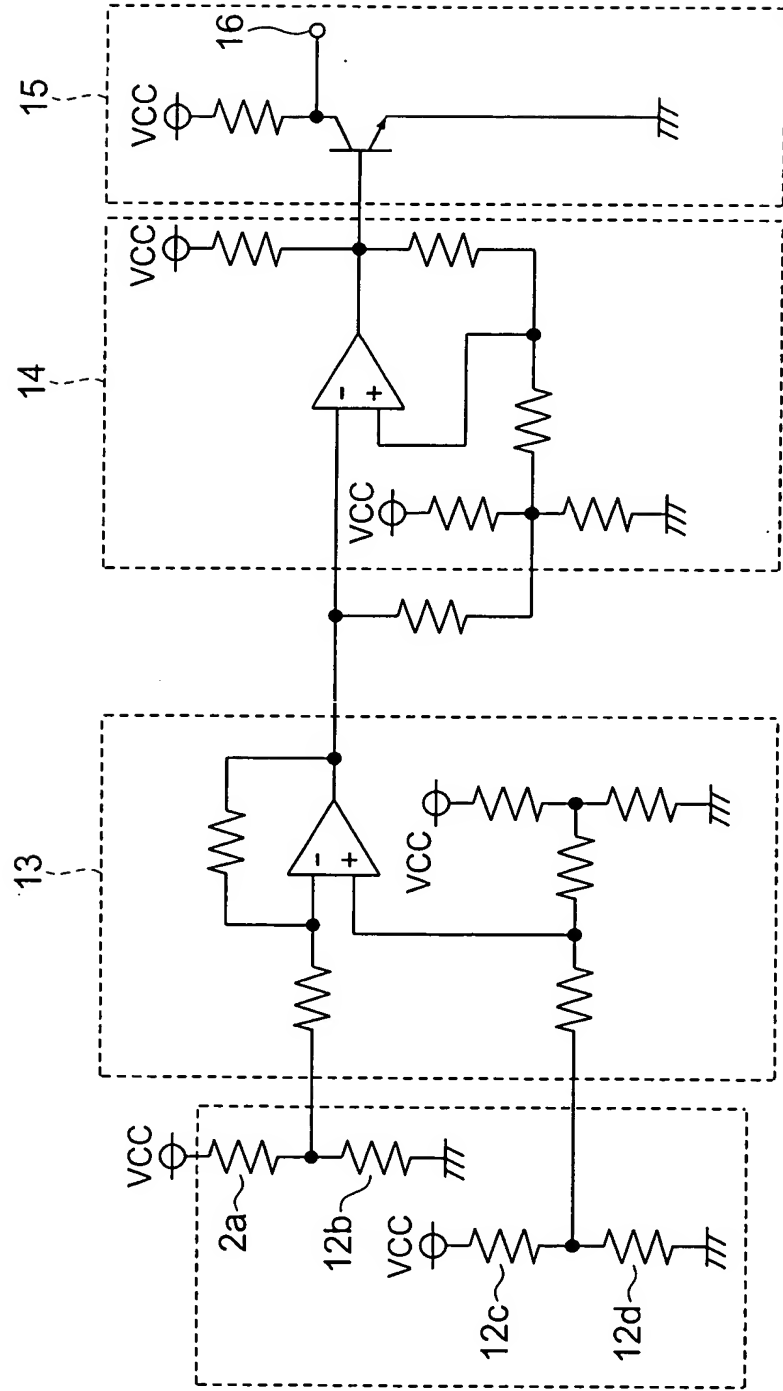
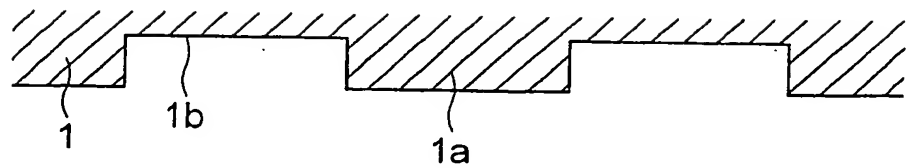


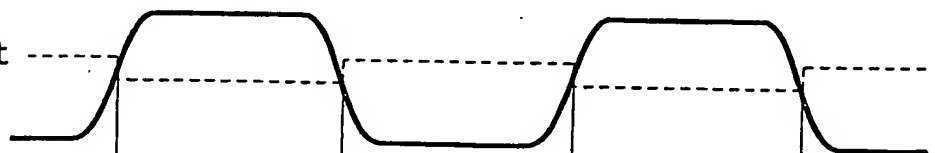
FIG. 15



resistance value of magnetoresistive segment 2a



amplifier circuit
output



final output



FIG. 16(a)

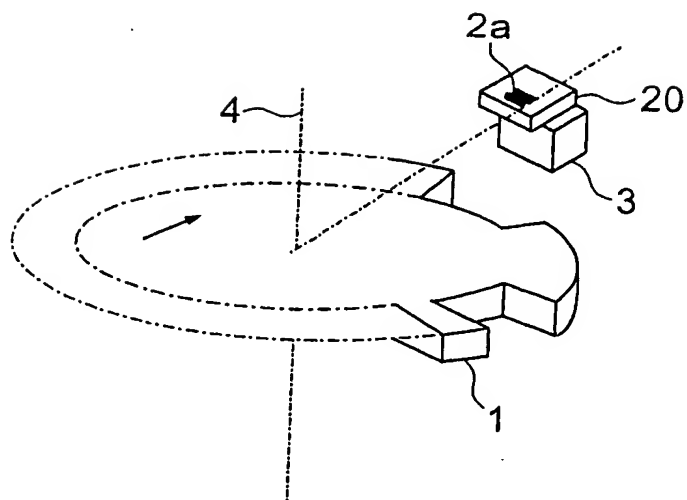


FIG. 16(b)

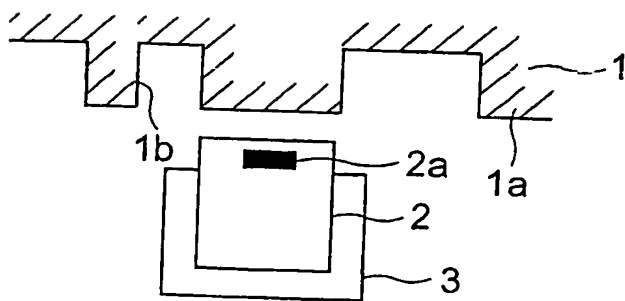


FIG. 17

